

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2003/0163587 A1**
Knight et al. (43) **Pub. Date: Aug. 28, 2003**(54) **VEHICLE COMMUNICATIONS NETWORK ADAPTER**(52) **U.S. Cl.** **709/249; 701/29**(76) **Inventors:** **Alexander N. Knight**, Columbus, IN (US); **Andrew J. Pajakowski**, Columbus, IN (US); **Jon E. Krutulis**, Greenwood, IN (US); **Daniel P. Wolf**, Columbus, IN (US); **Michael W. Phillips**, Columbus, IN (US); **Joseph T. Beitzinger**, Cincinnati, OH (US); **Lee G. Shipman**, Columbus, IN (US)(57) **ABSTRACT**

An adapter is disclosed for allowing communications between a vehicle control computer coupled to one or more vehicle communications networks and a remote computer. The one or more vehicle communications networks may be configured for data communications in accordance with, for example, an SAE J1939 or an SAE J1587 communications protocol, or the like. The adapter includes a first interface for operatively coupling to the one or more communications networks and a second interface including a universal serial bus (USB) controller configured for operatively coupling to the remote computer. The USB controller may be coupled to the remote computer via a device port and a host port, and/or a USB on-the-go port. In any case, the vehicle control computer and remote computer communicate through the adapter via the vehicle communications network and the first and second interfaces.

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